

NIPPON ELECTRIC CO. RADIOWAVE ABSORBER

Nippon Electric Co., Ltd., has developed a radiowave absorbent ferrite which very effectively absorbs high frequency radiowaves used in radar and microwave communications.

This ferrite can absorb more than 99 percent of 1-20 gigahertz radiowaves with five types of absorbers [sic]. It can absorb radiowaves 7-10 times as wide in frequency as the radiowave absorbers developed up until now.

The newly developed ferrite has two layers, an absorbent layer and a transformation layer. By greatly differentiating the electric characteristics of these two layers, wider frequency radiowaves can be absorbed more easily.

The ferrite is expected to be used in a wide variety of applications, including prevention of radar interference caused by buildings and steel towers, improvement of radio communication, prevention of radiowave leakage, etc.

NEC has prepared several types of products for various applications, that include a paint type, a rubber sheet type, and a plastic type. Many of them are made in thin layers and are easily installed.

SOURCE:

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